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ARTHUR C. KOERNER
Five Oaks Farm
NEWPORT, MINNESOTA



SEASON 1930

Gladiolus Seed and Bulbs

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Complete cultural instructions with each order.

All orders delivered prepaid.

Cash with order. No orders accepted for less than \$1.00.

No gladiolus seed for sale after April first.

No seedling bulbs for sale after May first.

While we offer no warranty, expressed or implied, on any of our seeds or bulbs (as is the usual custom of the seed and nursery trade) we are nevertheless anxious that every purchaser of our seed or bulbs shall receive entire satisfaction. It will be to the direct advantage of every purchaser of our goods to write and tell us what results were obtained. We are not doing this for any advertising purposes but simply to protect our customers.

ARTHUR C. KOERNER

Gladiolus Seed and Bulb Grower

FIVE OAKS FARM, NEWPORT, MINNESOTA

SOUTH AFRICAN GLADIOLUS SPECIES SEED

We wish to call especial attention to this most unusual offering of native South African Gladiolus Species Seed, which has been secured in sufficient quantity to be offered for general distribution. Gladiolus hybridizers have always considered themselves most fortunate to obtain small amounts of this precious seed. After years of effort, we are happy to say that we are getting this species seed directly from reliable sources in South Africa, from persons who are thoroughly familiar with the native habitat of the different species and who are collecting the seed at the different times of the year when the seed is ripe. Practically all of the species offered here have been verified at the herbarium of the National Botanic Gardens at Kirstenbosch.

In the year 1745 the first South African gladiolus species were brought to Europe. The finest gladiolus of that time were crossed upon these species and the Gandavensis type came into existence. In 1878 Victor Lemoine, France, introduced his hybrids of crosses of G. Gandavensis upon G. purpureo-

auratus and another new type of gladiolus came into existence, hybrids of this cross he crossed upon *G. Saundersii* and produced larger and more wide open flowers. In 1893 Max Leichtlin, Germany, used this same species, *G. Saundersii*, with the *Gandavensis* type and produced the large flowering type that soon found its way to America. Thirty years ago a newly discovered South African species, *G. primulinus*, was introduced. This lovely small, pure primrose yellow species has been crossed with many of our present day large flowered varieties and has given remarkable results, distinct and different from anything in existence before.

We are giving this brief historical sketch, merely to show that the greatest advancements in the development of the gladiolus, that were made at any time, were made by crossing the finest available varieties of the time upon the South African species. Our present day varieties are the finest and best that the world has ever known, it therefore stands to reason that our present day hybrids would produce startling results if the same crosses were attempted and developed.

The South African gladiolus species are classified into two distinct groups. Those that flower in the summer and those that flower in the winter and early spring. Practically all of the commercial flower growing in America, is done in greenhouses. Roses, carnations, lilies, sweet peas and many other flowers can be grown profitably only as greenhouse crops. The gladiolus is an important florist flower only at one season of the year, all sorts of costly efforts have been made, methods employed to flower it out of season under glass, results have invariably been unsatisfactory and greenhouse men regard the gladiolus as a very undependable greenhouse crop. This is not surprising at all, when we remember that the gladiolus as we know it today, was developed entirely from the South African summer flowering species.

The winter flowering South African species, many of them fragrant in addition, have received very little, if any attention or development at all. This group offers the greatest opportunities at the present time. There is an immense commercial market waiting for a large flowered gladiolus that will be as dependable for greenhouse culture as the summer flowering gladiolus is for out of door culture. The true winter flowering gladiolus must be developed from the winter flowering species, the same as the summer flowering gladiolus was developed from the summer flowering species. Some very promising results have lately been achieved in Holland and in California, but these efforts are only the beginning of a period of development that has all the promise of producing many new characteristics, fragrance, thin pliable stems adaptable for all kinds of florist work, color and form.

Persons having glass facilities or those living in mild winter climates, are in a particularly favored position to grow this winter flowering species seed into bulbs, and when these come into bloom there are always gladiolus flowers available somewhere that can be obtained to make the crosses. The reason this has not been done long ago is that it has been almost impossible to get this species seed, and then up to very recent years there hasn't been much of a demand for a winter flowering gladiolus because the greenhouse industry as we know it today, is really a business that has only been developed to its present big proportions within very recent years.

The descriptions given, are by the persons supplying this species seed. We assume no responsibility whatsoever with this seed. We have taken every precaution, we have done all that possibly could be done, we have bent every effort to obtain varieties that are true to name and exactly as represented, we do not offer this seed under any other conditions or with any other understanding expressed or implied. It may be well to remember that the South African seasons are just the opposite of ours. April-May being their autumn and August-September their spring, also that in past years when we were able to offer limited quantities of this species of seed, that it was sold out very quickly. Money will be promptly returned when we cannot fill an order.

G. alatus, or Kalkoenje, Brick red with green or yellow on lower segments, large flowers, stems 6 to 16 inches, A Cape species, grows in wet winter and flowers in late spring (September) Sweetly scented. 25 Seeds \$1.00

G. angustus, "Painted Lady" Very light coloring with long perianth tube,

Very much branched, flowers in early summer (October). 25 Seeds \$1.00

G. blandus, "The Fairest Gladiolus" Pink, 1½ feet high, 15 to 20 blooms, Often branched, flowers early summer (October). 25 Seeds \$1.00

G. brevifolius, Small flowers, very dainty, flowers sometimes blue and sometimes pink, flowers without any leaves at the end of the hot dry summer (March-April) Produces leaves and new corms later. 25 Seeds \$1.00

G. callistus, Pale pink or white with deeper throat markings 3½ feet high, flowers well spaced on stem, lower petal enlarged like an inverted primulinus. A very good one that should produce something out of the ordinary in shape or form. It is excellent for cutting, just as it is. Flowers early summer (October-November). 25 Seeds \$1.00

G. carmineus, Very intense carmine color, large flowers on short stems, the long leaves come later, grows quite close to the sea on sandy soil but adapts itself to garden conditions. Flowers in autumn (April). 25 Seeds \$1.00

G. cuspidatus, Yellow with carmine throat markings, 1 foot high, segments narrow and very waved or ruffled, a mountain species, flowers in summer (November). 25 Seeds \$1.00

G. gracilis, Small Blue Afrikander. This is a small, very dainty blue flower marked with yellow on the lower lip, 1 to 2 feet high. A very light airy flower, one of the most beautiful. The earliest to bloom in the spring on the dry Cape hillsides (August). This will be very popular just as it is for greenhouse culture once it becomes known. 25 Seeds \$1.00

G. hirsutus, Large deep pink marked with white stripes, 3 feet high, flowers early spring (August). Very fragrant. 25 Seeds \$1.00

G. Leichtlini, Graceful flowers of orange and red, stems 4 feet high. A native of Transvaal where it gets a cold dry winter and plenty of rain in the very hot summer, but is very adaptable. Flowers in late summer (January) but at the Cape it flowers in spring. 25 Seeds \$1.00

GLADIOLUS ODORATUS. This new gladiolus species was discovered three years ago, and so named on account of its wonderful fragrance. Unlike other fragrant species which give off their fragrance by night, this one is fragrant by day and a hundred spikes, we have been told by those growing it in South Africa, will scent up a whole garden with its fragrance. It is a native of Northwestern Cape Colony, where very dry seasons prevail, with the first winter rains it sends up a very strong and beautiful spike 2 to 3 feet high, with 6 to 16 large blooms of a dark maroon color marked with gold and brown.

From a dried specimen flower which was sent to us by its discoverer, we would say it possesses a color combination entirely different from anything we have ever seen in the gladiolus, a glowing velvety richness simply impossible to describe. It sends up the flowering spike first of all, from the old corm, the leaves come later with the new bulb. Its flowering period is in the late fall or early winter (April-June).

From all the information we have been able to gather about this new species, it is our opinion that this new South African gladiolus species is one of the most important gladiolus discoveries of recent years. All of our correspondents living in South Africa recommend it most highly and most enthusiastically. Seed of this new species is rare and expensive, and it will not be very plentiful for years to come. We consider ourselves extremely fortunate in being able to introduce this new species to our patrons. 25 Seeds \$5.00

G. orchidiflorus, Its name describes it exactly. It is allied to *G. alatus* and resembles it in shape of its flower, but the color is just that of an orchid, creamy background shaded into soft brown and purple. The long upper segment is curved completely over. It is very sweetly scented, a lovely thing just as it is for greenhouse culture. Flowers in spring (August-September). Rare and not much seed available. 25 Seeds \$3.00

G. psittacinus, Deep red, lightly flecked with red brown, 2 feet high, flowers in spring (August-September). 25 Seeds \$1.00

G. recurvus, "The Blue Afrikander," Large blue flowers. Flowers sometimes shaded yellow. Flowers very early in the spring (August). Very sweetly scented. 25 Seeds \$1.00

G. tristis, "The Avondblom" Pale yellow mottled with brown, very thin stem and leaves, 4 to 6 feet high, 10 to 20 flowers, very sweetly scented in

the evening. It likes moisture. Flowers midsummer or later (January).

G. tristis concolor, Cream, 1 foot high, flowers spring (September). 25 Seeds \$1.00

G. tristis, Cream shaded with yellow to pale brown, 1 foot, flowers spring (September). 25 Seeds \$1.00

G. primulinus, Small lovely pure primrose yellow, 1½ feet high. 25 Seeds \$5.00

CROSSES OF NAMED VARIETIES UPON SOUTH AFRICAN SPECIES

Comet (K) Deep Golden Yellow, Laciniated, on

G. dracocephalus \$1.00 per Seed

Lacinatus (K) Rose Pink, Laciniated, on

G. psittacinus \$1.00 per Seed

Lacinatus, on

G. Saundersii \$1.00 per Seed

Orange Delight (K) Bright Orange, Laciniated, on

G. primulinus 25 Seeds \$5.00

SOUTH AFRICAN SPECIES BULBS

G. dracocephalus, Greenish yellow with purple lines, a strong grower, 5 feet high. Attracts a great deal of attention because of its peculiarly shaped and hooded blooms. It imparts its hooded characteristic to its seedlings. **Each \$25**

G. primulinus. Another member of the *G. dracocephali* family. Pure primrose yellow. A splendid grower. Those who like small glads should grow this just as it is, it is as dainty as can be, the stems are thin and graceful and with a few Baron J. Hulot it makes a wonderful table decoration **Each \$20**

G. quartinianus, Red and yellow throat, 5½ feet high, the leaves are almost as tall, very late flowering. We like to plant it in pots here in Minnesota and then take it indoors when frost puts an end to out of door flowers. **Each \$25**

HAND POLLINATED GLADIOLUS SEED OF 1929 CROSSES

Eventually every gladiolus enthusiast arrives at the stage where his desires for new colors, forms and types can only be satisfied by originating his own, this is especially true when he once discovers that the gladiolus grown from seed, above any other flower, offers the most interesting and fascinating of all gardening experiences, these to be had with no more effort than the growing of any other flower from seed. Gladiolus seed is divided into two distinct classes. Hand pollinated and self pollinated. Hand pollinated gladiolus seed is obtained by crossing two different varieties by hand. The possible results of a cross are indicated by the names and descriptions of the parent varieties, the first named being the pollen parent, the dominant one of the cross, and the second the seed bearing parent. If the names of the parent varieties are not known on seed thus produced there can be little advantage in growing hand pollinated seed over self pollinated seed. We do not offer any hand pollinated gladiolus seed in mixtures.

The making of true crosses is exacting work, certain processes that are fully explained in any book on the gladiolus, have to be performed at certain periods, weather conditions have to be just right, only two to four blossoms on a spike are employed, to emasculate and to pollinate the flower, each blossom has to be visited a number of times and the same in gathering the seed.

To be absolutely sure that we are getting true crosses, we grow practically all of the varieties that we wish to cross in a wind and insect proof cloth covered enclosure, all crosses made in the field outside are bagged, thus we are reasonably certain that our crosses are as true as can be made. These facts and the cost of the varieties crossed and the possible results of such crosses are the factors that determine the cost of the seed.

It is understood, that all originator's credit, rights and claims on any outstanding specimens produced from our gladiolus seed and unbloomed seedling bulbs, pass on automatically to the purchaser of this seed and bulbs. We reserve no claim whatsoever on any outstanding specimens. The purchaser secures all these rights by the purchase of the seed and bulbs.

Stock is limited. Orders are filled in order of receipt. Money will be promptly returned when we cannot fill an order. Please order by number and name.

		25 Seeds
29C1	Adair (K) Canary Yellow, Laciniated, on	
	Drama (Pfizer) Dark Violet Purple	\$4.00
29C4	Adalina Patti (Keur) Royal Purple, on	
	Sovereign (Vaughan) Violet Purple	1.00
29C5	Aida (Pfizer) Dark Blue, on	
	Emile Aubrun (Lem) Slate Salmon	4.00
29C7	Aida, on	
	Lilac Wonder (Holland) Light Lavender	4.00
29C8	Aida, on	
	Masterpiece (K) American Beauty Rose, Ruffled	2.00
29C10	Aida, on	
	Violet Glory (K) Deep Violet	3.00
29C11	Arabia (H) Dark Mahogany Red, on	
	Adalina Patti (Keur) Royal Purple	2.00
29C12	Arabia, on	
	Charles Dickens (Pfizer) Radiant Purple	2.00
29C13	Arabia, on	
	Drama (Pfizer) Dark Violet Purple	3.00
29C14	Arabia, on	
	Marocco (Pfizer) Dark Almost Black	4.00
29C15	Arabia, on	
	Sovereign (Vaughan) Violet Purple	2.00
29C16	Aquila (K) Deep Cream, Laciniated, on	
	Alton (K) Finest Orange, Ruffled	4.00
29C17	Aquila, on	
	25C48 Seedling, Dainty Small Apple Blossom Prim.	4.00
29C18	Aquila, on	
	Lavender Beauty (K) Pink Lavender, Laciniated	8.00
29C19	Aquila, on	
	Laciniated, Seedling, Light Pink, Laciniated	8.00
29C25	Badenia. Large Blue (Still the best of its color) on	
	Aida (Pfizer) Dark Blue	8.00
29C26	Badenia, on	
	Ave Maria (Pfizer) Light Blue	8.00
29C27	Badenia, on	
	Baron J. Hulot (Lem) Dark Violet	3.00
29C28	Badenia, on	
	Betty Bales (Wright) Light Blue	4.00
29C29	Badenia, on	
	Charles Berthier (Vil) Light Lilac	6.00
29C30	Badenia, on	
	Charles Dickens (Pfizer) Radiant Purple	5.00
29C31	Badenia, on	
	Duchess of York (Dames) Purple Blue	4.00
29C32	Badenia, on	
	Geraldine Farrar (D) Pale Lavender Violet	6.00
29C33	Badenia, on	
	Jacoba Van Beyren (Heemskirk) Violet Self	5.00
29C34	Badenia, on	
	26C17 Seedling, Self Dark Violet	6.00
29C35	Badenia, on	
	Marmora (Errey) Lavender Grey	10.00

		25 Seeds
29C36	Badenia, on Minuet (C) Wonderful Lavender	8.00
29C37	Badenia, on Mr. Mark (Velthuys) Light Blue	2.00
29C38	Badenia, on Mrs. F. C. Peters (Fischer) Rose Lilac	2.00
29C39	Badenia, on Purple Glory (K) Velvety Maroon Red, Ruffled	4.00
29C40	Badenia, on Rev. Ewbank (Velthuys) Light Blue	2.00
29C41	Badenia, on Sovereign (Vaughan) Violet Purple	4.00
29C42	Baron J. Hulot (Lem) Dark Violet, on Badenia, Large Blue	3.00
29C43	Berty Snow (Mair) Soft Lilac Pink, on Heavenly Blue (Pfitzer) Aniline Blue	15.00
29C44	Berty Snow, on Kirchoffs New Violet, Rich Violet	8.00
29C45	Berty Snow, on Lilac Wonder (Holland) Light Lavender	6.00
29C47	Berty Snow, on Mrs. P. W. Sisson (C) Large Pink	5.00
29C49	Bridal Veil (Austin) Wonderful Creamy White, Heavily Ruffled, on A. B. Kunderd (K) Cream and Pink, Ruffled	6.00
29C50	Bridal Veil, on Aquila (K) Deep Cream, Laciniated	8.00
29C51	Bridal Veil, on Comet (K) Deep Golden Yellow, Laciniated	8.00
29C52	Bridal Veil, on Heavenly Blue (Pfitzer) Aniline Blue	10.00
29C54	Bridal Veil, on Laciniated, Seedling, Light Pink, Laciniated	8.00
29C55	Bridal Veil, on Orange Delight (K) Bright Orange, Laciniated	8.00
29C56	Bridal Veil, on 129 Seedling, White, Carmine Stripe, Ruffled	8.00
29C57	Bridal Veil, on Rufflace (Kemp) White, Ruffled and Laciniated	8.00
29C58	Bridal Veil, on Serrata (Bill) Cream Suffused Lilac Pink, Laciniated	8.00
29C60	Catherine Coleman (C) La France Pink, on Longfellow (Decorah) La France Pink	2.00
29C63	Century (Groff) Wonderful Pink Lavender, on Krimhilde (Pfitzer) Lilac Pink	8.00
29C64	Century, on Lilac Wonder (Holland) Light Lavender	8.00
29C65	Century, on Longfellow (Decorah) La France Pink	7.00
29C66	Century, on Orchid Lady (Spencer) Clear Orchid Lavender	8.00
29C68	Century, on Roza (Austin) Rose Tinted Pink	10.00
29C69	Century, on Sweet Lavender (C) Early Lavender	4.00
29C71	Charles Dickens (Pfitzer) Radiant Purple, on Arabia (H) Dark Mahogany Red	2.00
29C72	Charles Dickens, on Badenia, Large Blue	5.00
29C73	Comet (K) Deep Golden Yellow, Laciniated, on 25C48 Seedling, Dainty Small Apple Blossom Prim.	4.00
29C74	Comet, on Bridal Veil (Austin) Wonderful Creamy White, Ruffled	8.00

25
Seeds

29C75	Comet, on	
	Gold Elsie (Fischer) Bright Pure Yellow	4.00
29C78	Comet, on	
	The Orchid (Sprague) Lavender Pink, Laciniated	3.00
29C79	Copper Bronze (K) Striking Copper Bronze, on	
	Bittersweet (Baldwin) True Bittersweet Orange	4.00
29C86	Dr. Moody (Kinyon) Big Lavender, on	
	Longfellow (Decorah) La France Pink	6.00
29C93	Emile Aubrun (Lem) Slate Salmon, on	
	Arabia (H) Dark Mahogany Red	4.00
29C94	Emile Aubrun, on	
	Catherine Coleman (C) La France Pink	5.00
29C96	Emile Aubrun, on	
	John T. Pirie (K) Mahogany Brown	4.00
29C97	Fairy Diamond (Alkemade) Clear Red, on	
	Bittersweet (Baldwin) True Bittersweet Orange	6.00
29C99	Fiambriatus (K) Deep Cream, Laciniated, on	
	Alton (K) Finest Orange, Ruffled	6.00
29C100	Fiambriatus, on	
	25C48 Seedling, Dainty Small Apple Blossom Prim.	4.00
29C103	Fiambriatus, on	
	Gertrude Pfitzer (Pfitzer) Light China Blue	5.00
29C105	Fiambriatus, on	
	Heavenly Blue (Pfitzer) Aniline Blue	10.00
29C106	Fiambriatus, on	
	Laciniated, Seedling, Light Pink, Laciniated	8.00
29C107	Fiambriatus, on	
	Marion Koch (Austin) Deep Pink, Needlepoint type	8.00
29C110	Frilled Felicity (Kir) Shrimp Pink, Frilled, on	
	Fiambriatus (K) Deep Cream, Laciniated	8.00
29C115	Gold Elsie (Fischer) Bright Pure Yellow, on	
	Gold Eagle (Austin) Early Clear Yellow	2.00
29C116	Gold Eagle (Austin) Early Clear Yellow, on	
	Gold Elsie (Fischer) Bright Pure Yellow	2.00
29C117	Gold Eagle, on	
	Pfitzer's Yellow Wonder, Fine Big Pure Yellow	5.00
29C118	Golden Dream (Groff) Tall Deep Yellow, on	
	Tobersun (Austin) Large Pure Yellow, Needlepoint Type	8.00
29C119	Golden Frills (K) Yellow Prim. Ruffled, on	
	Gold Eagle (Austin) Early Clear Yellow	4.00
29C120	Golden Glory (K) Rich Yellow, Ruffled, on	
	Orange Delight (K) Bright Orange, Laciniated	8.00
29C125	Glorious (K) Soft Cream, Ruffled, on	
	Lilac Wonder (Holland) Light Lavender	4.00
29C127	Golden Measure (Kelway) Straw Yellow, on	
	Gold Eagle (Austin) Early Clear Yellow	1.00
29C128	Harbinger (Sanford) Burnt Orange, on	
	Fairy Diamond (Alkemade) Clear Red	4.00
29C130	Harbinger, on	
	Pola Negri (D) Apricot, Ruffled	3.00
29C131	Heavenly Blue (Pfitzer) Aniline Blue, on	
	Badenia, Large Blue	10.00
29C132	Heavenly Blue, on	
	Berty Snow (Mair) Soft Lilac Pink	15.00
29C135	Heavenly Blue, on	
	Kirchofs New Violet, Rich Violet	8.00
29C136	Helen Howard (Austin) Golden Buff, on	
	Golden Frills (K) Yellow Prim. Ruffled	4.00
29C140	Honeydew (Decorah) Orange Yellow, Laciniated, on	
	Orange Delight (K) Bright Orange, Laciniated	8.00
29C143	Impresario (K) Clear Lemon, Large, Laciniated, on	
	Avalon (K) Blush White, Heavily Ruffled	10.00

		25 Seeds
29C144	Impresario, on	
29C146	Bridal Veil (Austin) Wonderful Creamy White, Ruffled	25.00
	Impresario, on	
	Dr. Van Fleet (K) Rose Pink, Ruffled	10.50
29C148	Impresario, on	
	Heavenly Blue (Pfizer) Aniline Blue	15.00
29C149	Impresario, on	
	Laciniated, Seedling, Light Pink, Laciniated	10.00
29C150	Impresario, on	
	Serrata (Bill) Cream Suffused Lilac Pink, Laciniated	12.00
29C151	Impresario, on	
	The Orchid (Sprague) Lavender Pink, Laciniated	20.00
29C152	Impresario, on	
	Troubadour (Pfizer) Deep Violet	10.00
29C153	Interlude (K) Light Yellow, Laciniated, on	
	25C48 Seedling, Dainty Small Apple Blossom Prim.	4.00
29C157	Interlude, on	
	Dr. Van Fleet (K) Rose Pink, Ruffled	4.00
29C160	Interlude, on	
	Honeydew (Decorah) Orange Yellow, Laciniated	8.00
29C161	Interlude, on	
	King Pearl (Errey) White, Creamy Blotch	5.00
29C162	Interlude, on	
	Laciniated, Seedling, Light Pink, Laciniated	8.00
29C163	Interlude, on	
	Lavender Beauty (K) Pink Lavender, Laciniated	8.00
29C165	Interlude, on	
	Serrata (Bill) Cream Suffused Lilac Pink, Laciniated	8.00
29C166	Interlude, on	
	The Orchid (Sprague) Lavender Pink, Laciniated	10.00
29C171	James Wm. Kelway (Kelway) Deep Self Crimson, on	
	Rose Mist (Fischer) Light Red	8.00
29C173	John T. Pirie (K) Mahogany Brown, on	
	Roi Albert (Lem) Coppery Salmon Crushed Strawberry	6.00
29C175	King George (Mair) Dark Crimson, White Blotch, on	
	Diana (Groff) Brilliant Rich Vermillion	4.00
29C177	King of the Blues (Gruel.) Deep Violet, on	
	Lilac Wonder (Holland) Light Lavender	4.00
29C179	Kirchoffs New Violet. Rich Violet, on	
	Charles Dickens (Pfizer) Radiant Purple	3.00
29C181	Krimhilde (Pfizer) Large Lilac Pink, on	
	Arabia (H) Dark Mahogany Red	4.00
29C182	Krimhilde, on	
	Buckeye (K) Rose Pink, Ruffled	4.00
29C183	Krimhilde, on	
	Catherine Coleman (C) La France Pink	5.00
29C185	Konyenburg (Pfizer) Matchless Aniline Blue, on	
	Anna Eberius (D) Deep Rhodamine Purple	3.00
29C186	Konyenburg, on	
	Badenia, Large Blue	6.00
29C188	Konyenburg, on	
	Charles Dickens (Pfizer) Radiant Purple	5.00
29C189	Konyenburg, on	
	Jacoba Van Beyren (Heemskirk) Violet Self	5.00
29C195	Konyenburg, on	
	The Orchid (Sprague) Lavender Pink, Laciniated	10.00
29C196	Lacinatus (K) Rose Pink, Laciniated, on	
	Bittersweet (Baldwin) True Bittersweet Orange	4.00
29C197	Lacinatus, on	
	Lavender Beauty (K) Pink Lavender, Laciniated	8.00
29C198	Lacinatus, on	
	Purple Glory (K) Velvety Maroon Red, Ruffled	4.00

		25 Seeds
29C199	Lacinatus, on Rosalind (K) Dark Aniline Red, Ruffled	4.00
29C200	Lacinatus, on 282 Seedling, Self Lavender	4.00
29C202	Laciniated, Seedling, Light Pink, Laciniated, on 25C48 Seedling, Dainty Small Apple Blossom Prim.	4.00
29C203	Laciniated, on Bridal Veil (Austin) Wonderful Creamy White, Ruffled	10.00
29C205	Laciniated, on Dr. Van Fleet (K) Rose Pink, Ruffled	4.00
29C206	Laciniated, on Fiambriatus (K) Deep Cream, Laciniated	8.00
29C209	Laciniated, on Interlude (K) Light Yellow, Laciniated	8.00
29C210	Laciniated, on Pink Ruffles (Miller) Deep Pink, Heavily Ruffled	6.00
29C211	Laciniated, on Pyrean (K) Soft Canary Yellow, Laciniated	8.00
29C212	Laciniated, on The Orchid (Sprague) Lavender Pink, Laciniated	8.00
29C214	Lady Van Horn (Groff) Fine Lavender, on Mrs. P. W. Sisson (C) Large Pink	6.00
29C224	Marocco (Pfitzer) Dark Almost Black, on Arabia (H) Dark Mahogany Red	4.00
29C225	Marocco, on Sovereign (Vaughan) Violet Purple	5.00
29C232	Mrs. Dr. Hauff (Pfitzer) Bright Scarlet, on Longfellow (Decorah) La France Pink	4.00
29C233	Mrs. Dr. Hauff, on Troubadour (Pfitzer) Deep Violet	4.00
29C237	Orange Delight (K) Bright Orange, Laciniated, on Dr. Van Fleet (K) Rose Pink, Ruffled	4.00
29C238	Orange Delight, on 289 Seedling, Yellow, Red Striped Prim.	4.00
29C240	Orange Delight, on Golden Glory (K) Rich Yellow, Ruffled	4.00
29C242	Orange Delight, on Lavender Beauty (K) Pink Lavender, Laciniated	8.00
29C243	Orange Delight, on Marion Koch (Austin) Deep Pink, Needlepoint Type	10.00
29C244	Orange Delight, on Salmon Plume (K) Clear Salmon Flesh, Ruffled	4.00
29C245	Orange Delight, on Sulphur Glow (K) Sulphur Yellow, Ruffled	4.00
29C246	Orchid Lady (Spencer) Clear Orchid Lavender, on Lilac Wonder (Holland) Light Lavender	6.00
29C247	Paul Pfitzer (Pfitzer) Brilliant Velvety Purple, on Arabia (H) Dark Mahogany Red	5.00
29C248	Paul Pfitzer, on Duchess of York (Dames) Purple Blue	5.00
29C249	Paul Pfitzer, on Purple Spot (K) Large Violet Red	6.00
29C251	Pfizers Triumph, Giant Scarlet, on Chateau Thierry (Vos) Orange Cerise	6.00
29C254	Pfizers Triumph, on Dr. Moody (Kinyon) Big Lavender	8.00
29C255	Pfizers Triumph, on Emile Aubrun (Lem) Slate Salmon	6.00
29C260	Pfizers Triumph, on Rose Mist (Fischer) Lght Red	8.00
29C261	Pfizers Triumph, on Scarlet Glory (K) Rich Red, Ruffled	6.00

25
Seeds

29C262	Pfizers Triumph, on Scarlet Princeps (K) Intense Scarlet	6.00
29C263	Pfizers Triumph, on Victor (Errey) Brilliant Scarlet, White Blotch	8.00
29C264	Pfizer's Yellow Wonder, Fine Big Pure Yellow, on Gold Eagle (Austin) Early Clear Yellow	5.00
29C266	Pfizers Yellow Wonder, on Tobersun (Austin) Large Pure Yellow, Needlepoint	8.00
29C267	Pyrean (K) Soft Canary Yellow, Laciniated, on Bridal Veil (Austin) Wonderful Creamy White, Ruffled	10.00
29C268	Pyrean, on Crinkles (K) Deep Peach Blossom Pink, Ruffled	6.00
29C269	Pyrean, on Serrata (Bill) Cream Suffused Lilac Pink, Laciniated	8.00
29C270	Pyrean, on The Orchid (Sprague) Lavender Pink, Laciniated	10.00
29C271	Rev. Ewbank (Velthuys) Light Blue, on Badenia, Large Blue	2.00
29C274	Rosalind (K) Dark Aniline Red, Ruffled, on John T. Pirie (K) Mahogany Brown	2.00
29C274	Rozan (Austin) Rose Tinted Pink, on Krimhilde (Pfizer) Lilac Pink	8.00
29C276	Rozan, on Longfellow (Decorah) La France Pink	6.00
29C278	Salmon Plume (K) Clear Salmon Flesh, Ruffled, on Trudle Grotz (Pfizer) Salmon Pink	3.00
29C282	SE 3, Seedling, Soft Yellow Ruffled, on The Orchid (Sprague) Lavender Pink, Laciniated	6.00
29C285	Sovereign (Vaughan) Violet Purple, on John T. Pirie (K) Mahogany Brown	3.00
29C286	Sulphur Glow (K) Sulphur Yellow, Ruffled, on Lacinatus (K) Rose Pink, Laciniated	8.00
29C288	Tempa (K) Old Rose, Ruffled, on Berty Snow (Mair) Soft Lilac Pink	6.00
29C289	The Orchid (Sprague) Lavender Pink, Laciniated, on Anne Eberius (D) Deep Rhodamine Purple	6.00
29C292	The Orchid, on Sebesta (K) Early Creamy White	6.00
29C293	The Orchid, on White Lace (Kir) Beautiful White, Frilled	10.00
29C294	Tobersun (Austin) Large Pure Yellow, Needlepoint, on Golden Dream (Groff) Tall Deep Yellow	10.00
29C296	Tobersun, on Gloriana (Bet) Salmon, Yellow Throat	8.00
29C297	Troubadour (Pfizer) Deep Violet, on Emile Aubrun (Lem) Slate Salmon	6.00
29C298	Troubadour, on Violet Beauty (K) Cerise Violet	6.00
29C299	292 Rev. Ewbank Seedling, Light Blue, on Lacinatus (K) Rose Pink, Laciniated	4.00
29C300	2910 Large Creamy White Seedling, Snapdragon Type, Intense- ly Ruffled, on Aquila (K) Cream, Laciniated	8.00
29C302	2910, on Heavenly Blue (Pfizer) Aniline Blue	10.00
29C303	2910, on Interlude (K) Light Yellow, Laciniated	8.00
29C304	2979 Costa Rica Seedling, Light Lavender, 8-9 Flowers Open, Ruffled, on American Beauty (D) American Beauty Rose	6.00
29C307	2984 Laciniated Seedling, Light Pink, on Interlude (K) Light Yellow, Laciniated	8.00

		25 Seeds
29C309	29116 Light Lavender Seedling with Intense Red Blotch, on Eleonora Duse (Lem) White with Crimson Blotch	8.00
29C311	29119 Konyenburg-Orchid Seedling, Blue, on Rev. Ewbank (Velthuys) Light Blue	6.00
29C312	29119, on Veilchenblau (Pfitzer) Fine Blue	6.00
29C315	Veilchenblau (Pfitzer) Fine Blue, on Charles Dickens (Pfitzer) Radiant Purple	5.00
29C316	Veilchenblau, on Kasson (K) Lavender Rose Pink, Ruffled	5.00

HAND POLLINATED GLADIOLUS SEED IN LESS THAN 25 SEED QUANTITIES

Every season we receive so many inquiries regarding crosses other than we list. It stands to reason that we do not obtain 25 or more seeds from each cross we make. Simply for the purpose of eliminating a lot of time consuming correspondence we are listing under this heading all of the seed of crosses that we obtained this past season. We will be glad to quote quantities and prices upon inquiry. We positively have no other hand pollinated gladiolus seed than that listed here.

29C2	Adair Serrata	29C80	Copper Bronze Roi Albert
29C3	Adalina Patti Arabia	29C81	Coronada Ruffolace
29C6	Aida Highland Laddie	29C82	Crinkles Lacinated
29C9	Aida Minuet	29C83	Dr. Bennett James Dunlop
29C20	Aquila 296 Lacinated Seedling, Pink	29C84	Dr. Bennett Langport Scarlet
29C21	Arabia Orange Delight	29C85	Dr. Moody J. S. Wallace
29C22	Ave Maria The Orchid	29C87	Dr. Moody Mrs. Leon Douglas
29C23	Ave Maria Anna Eberius	29C88	Dr. Moody Mrs. P. W. Sisson
29C24	Ave Maria Century	29C89	Dr. Moody Tempa
29C46	Berty Snow Minuet	29C90	Dr. Van Fleet Lacinatus
29C48	Brooklands Dream	29C91	Dr. Van Fleet Orange Delight
29C53	Bridal Veil Interlude	29C92	Drama Hinemoa
29C59	Bridal Veil The Orchid	29C95	Emile Aubrun Marshal Foch
29C61	Catherine Coleman Nixie	29C98	Fairy Diamond Longfellow
29C62	Century Berty Snow	29C101	Fiambratus Crinkles
29C67	Century Pink Wonder	29C102	Fiambratus Fringes
29C70	Century Veilchenblau	29C104	Fiambratus Golden Glory
29C76	Comet Golden Frills	29C108	Fiambratus Ruffolace
29C77	Comet Golden Glory	29C109	Fiambratus The Orchid

29C111	Frilled Felicity Pyrean	29C176	King George Early Sunrise
29C112	Gertrude Pfitzer Badenia	29C178	Kirchoffs New Violet Aida
29C113	Gertrude Pfitzer Charles Dickens	29C180	Kirchoffs New Violet Mary Frey
29C114	Geraldine Farrar The Orchid	29C184	Krimhilde Mrs. Leon Douglas
29C121	Golden Snapdragon Golden Frills	29C187	Konyenburg Berty Snow
29C122	Golden Swallow Aquila	29C190	Konyenburg King of the Blues
29C123	Golden Swallow Orange Delight	29C191	Konyenburg Krimhilde
29C124	Glorious Aquila	29C192	Konyenburg Mr. Mark
29C126	Glorious Orange Delight	29C193	Konyenburg Mrs. F. C. Peters
29C129	Harbinger Mrs. Dr. Hauff	29C194	Konyenburg Ruffled Beauty
29C133	Heavenly Blue Blue Jay	29C201	Lacinatus Serrata
29C134	Heavenly Blue Duchess of York	29C204	Laciniated Crinkles
29C137	Hinemoa Bengal Tiger	29C207	Laciniated Golden Snapdragon
29C138	Hinemoa Pfitzers Triumph	29C208	Laciniated Golden Glory
29C139	Honeydew Fringes	29C213	Lady Van Horn Mrs. Leon Douglas
29C141	Honeydew Serrata	29C215	Lady Van Horn Rose Mist
29C142	Honeydew Sulphur Glow	29C216	Langport Scarlet Dream
29C145	Impresario Crinkles	29C217	Lilac Wonder Konyenburg
29C147	Impresario Drama	29C218	Longfellow Nixie
29C154	Interlude Avalon	29C219	Marion Koch Aquila
29C155	Interlude Bridal Veil	29C220	Marion Koch Golden Snapdragon
29C156	Interlude Crinkles	29C221	Marion Koch Evelyn Kirtland
29C158	Interlude Fringes	29C222	Marion Koch Orange Delight
29C159	Interlude Gertrude Pfitzer	29C223	Marocco Adalina Patti
29C164	Interlude Ruffolace	29C226	Masterpiece Self Lavender Seedling
29C167	Jane Addams Charles Berthier	29C227	Masterpiece Troubadour
29C168	James Wm. Kelway Ensign	29C228	Minuet J. S. Wallace
29C169	James Wm. Kelway Hinemoa	29C229	Mrs. Dr. Hauff Bengal Tiger
29C170	James Wm. Kelway Pfitzers Triumph	29C230	Mrs. Dr. Hauff Harbinger
29C172	James Dunlop Pfitzers Triumph	29C231	Mrs. Dr. Hauff Hinemoa
29C174	J. S. Wallace 29214 Dark Red Seedling	29C234	Gertrude Pfitzer Berty Snow

29C235	Gertrude Pfitzer Sovereign	29C283	Silver Dart Veilchenblau
29C236	Orange Delight Crinkles	29C284	Sovereign Bengal Tiger
29C239	Orange Delight Glorious	29C287	Sulphur Glow Orange Delight
29C241	Orange Delight Evelyn Kirtland	29C290	The Orchid Golden Glory
29C250	Peep O Day Lacinatus	29C291	The Orchid Laciniated
29C252	Pfitzer's Triumph Crimson Glow	29C295	Tobersun Norma Talmadge
29C253	Pfitzers Triumph Dr. Bennett	29C301	2910 Creamy White Seedling Golden Frills
29C256	Pfitzers Triumph Ensign	29C306	2984 Laciniated Seedling Honeydew
29C257	Pfitzers Triumph Illuminator	29C308	2997 Dark Red Seedling A. B. Kunderd
29C258	Pfitzers Triumph James Wm. Kelway	29C310	29119 Konyenburg-Orchid Seedling
29C259	Pfitzers Triumph J. S. Wallace		Gertrude Pfitzer
29C265	Pfitzers Yellow Wonder Golden Swallow	29C313	Veilchenblau Anna Eberius
29C272	Roi Albert John T. Pirie	29C314	Veilchenblau Berty Snow
29C275	Rozan Lady Van Horn	29C317	Veilchenblau Minuet
29C277	Rozan Pink Wonder	29C318	Violet Glory Orchid Lady
29C279	Serrata Masterpiece	29C319	Veilchenblau Silver Dart
29C280	Serrata The Orchid	29C320	Veilchenblau Sovereign
29C281	Serrata Veilchenblau	29C321	W. H. Phipps Albania

1929 SELF POLLINATED GLADIOLUS SEED

The theory is, that the gladiolus is self pollinated by the wind, bees, insects, humming-birds, etc., etc. We have come to the conclusion that these agencies play a very negligible part if any at all in the self pollenization of the flower. These agencies really cross pollinate the flower and then in a degree very much less than is generally supposed.

The pollen of the gladiolus is dry and powdery, in some varieties it is very fine and in others rather coarse. The pollen ripens and is ready for use before the stigma becomes receptive. When the weather is hot and dry and windy, most of the pollen is blown away, if not windy, then it drops upon the lower petals the same as it does when some spikes of gladiolus are in a vase in the house, where it soon becomes sterile. We used to believe that the wind carried the pollen from flower to flower, but a close study of the flower reveals that the gladiolus is a long-styled flower, with the stigma at the top of the corolla tube, the anthers are always in a fixed position about half way up the tube. The length of the style differs greatly in the different named varieties, in some varieties it is so long and far removed from the anthers that the stigma at the end of the style cannot and does not come into contact with the pollen laden anthers at any time, these long-styled flowers with the stigma exposed to every breeze that blows do not self pollinate or set seed, but if the pollen of the same flower, or other, is applied by hand, these varieties will set seed as readily as the shorter-styled varieties. With the shorter-styled flowers the stigma is slightly above the anthers and when it becomes receptive, it bends over so that the three-pronged stigma is in

direct contact with the three lengthwise split anther cells. Most of the varieties belong to the shorter-styled class and with them there is very free seed production.

The gladiolus is a wide open throated flower, the stamens and pistil are erect and are placed well back and above out of direct contact with any insect that visits it for its nectar. The little pollen-robber bee is the only one that works on the anthers and this insect is about the only one that does transfer any pollen to the stigma. Humming-birds, on account of their size and the motion of their wings, do press the stigma and anthers together when visiting the flower, however, an observation of the habits of these beautiful tiny birds in a gladiolus patch, reveals the fact that their visits are the most frequent in the early evening and morning when the stigma is unreceptive.

However, be it as it may, the fact remains that gladiolus seed offers the most interesting and fascinating of all gardening experiences. Self pollinated gladiolus seed should be grown in greater quantities than hand pollinated seed for good results.

Stock is limited. Orders are filled in order of receipt. Money will be promptly returned when we cannot fill an order.

Please order by number and name.

		25 Seeds			25 Seeds
S1	A. B. Kunderd	\$.15	S42	Elora .....	.10
S2	Albania .....	.10	S43	Small Yellow and Red Prim. ....	.25
S3	Alice Tiplady .....	.10	S44	Fiambratus	5.00
S4	Alton .....	.15	S45	Genesee .....	.10
S5	American Beauty .....	.25	S46	Giant Nymph .....	.10
S6	Anna Eberius .....	.10	S47	Glendale .....	.10
S7	Aquila	5.00	S48	Glorigiana .....	.25
S8	Arabia .....	.15	S49	Glorious .....	.15
S9	Atherton .....	.10	S50	Gold .....	.10
S10	Autumn Queen .....	.10	S51	Gold Eagle .....	.25
S11	Avalon .....	.15	S52	Gold Elsie .....	.25
S12	Balboa .....	.15	S53	Golden Frills	2.00
S13	Baron J. Hulot .....	.15	S54	Golden Glory .....	.25
S14	Betty Bales .....	.15	S55	Golden Measure .....	.10
S15	Bittersweet .....	.50	S56	Golden Swallow .....	.10
S16	B. L. Smith .....	.10	S57	Halley .....	.10
S17	Blue Isle .....	.15	S58	Harbinger .....	.25
S18	Blue Lily .....	.15	S59	Henry Ford .....	.15
S19	Blushing Beauty .....	.10	S60	Herada .....	.25
S20	Break O-Day .....	.10	S61	Hyperion	5.00
S21	Buckeye .....	.15	S62	Ida Van .....	.10
S22	Butterboy .....	.10	S63	Illuminator .....	.10
S23	Capt Boynton .....	.10	S64	Impresario	7.50
S24	Catalina .....	.15	S65	J. A. Carbone .....	.15
S25	Catherine Coleman .....	.25	S66	Jacoba Van Beyren .....	.15
S26	Charles Dickens .....	.25	S67	Jack London .....	.10
S27	Chateau Thierry .....	.10	S68	Jennie Lind .....	.25
S28	Comet	5.00	S69	Jewell .....	.10
S29	Copper Bronze .....	.50	S70	J. S. Wallace .....	.50
S30	Costa Rica .....	.10	S71	John T. Pirie .....	.25
S31	Crimson Glow .....	.10	S72	June Delight .....	.15
S32	Diana .....	.10	S73	Kasson .....	.15
S33	Dorothy Vernon .....	.15	S74	Kemps Hulot .....	.10
S34	Dr. Bennett .....	.15	S75	King George .....	.50
S35	Dr. Nelson Shook .....	.25	S76	King of the Blues .....	.25
S36	Dr. Van Fleet .....	.10	S77	K's Apple Blossom .....	.10
S37	Duchess of York .....	.25	S78	Kunderdii Glory .....	.25
S38	Early Sunrise .....	.25	S79	Lacinatus	2.50
S39	E. B. Williamson .....	.10	S80	Laciniated	2.50
S40	E. J. Shaylor .....	.10	S81	Lavender Beauty	2.50
S41	Elizabeth Tabor .....	.10			

		25 Seeds			25 Seeds
S82	Le Marechal Foch .....	.10	S122	Pyrean	5.00
S83	Lilac Wonder .....	.50	S123	Queen of the Night .....	.15
S84	L'Immaculee .....	.10	S124	Red Copper .....	.15
S85	Longfellow .....	.25	S125	Rev. Ewbank .....	.10
S86	Los Angeles .....	.15	S126	Richard Diener .....	.25
S87	Mable Irving .....	.15	S127	Rose Ash .....	.10
S88	Magic .....	.10	S128	Rose Glory .....	.10
S89	Maidens Blush .....	.10	S129	Rose Mist .....	.15
S90	Marshal Foch .....	.15	S130	Rosalind .....	.25
S91	Masterpiece .....	.15	S131	Ruffled America .....	.10
S92	Ming Toy .....	.10	S132	Ruth Huntington .....	.10
S93	Mission Bells .....	.15	S133	Salmon Plume .....	.10
S94	Marie Kunderd .....	.10	S134	Santa Maria .....	.15
S95	Mary Fennel .....	.10	S135	Schwaben .....	.10
S96	Mary Pickford .....	.10	S136	Scarlet Princeps .....	.15
S97	Mr. Mark .....	.15	S137	Scarlet Glory .....	.15
S98	Mrs. Dr. Norton .....	.25	S138	Sebesta .....	.10
S99	Mrs. F. King .....	.10	S139	Serrata	2.50
S100	Mrs. Leon Douglas	1.00	S140	Snow Glory .....	.50
S101	Mrs. Von Konyenburg ..	.50	S141	Sovereign .....	.25
S102	Mona Lisa .....	.15	S142	Sweet Lavender .....	.10
S103	Muriel .....	.10	S143	Sweet Rose .....	.10
S104	Myra .....	.10	S144	Sulphur Glow .....	.25
S105	1910 Rose .....	.10	S145	Tempa .....	.15
S106	Onega .....	.15	S146	The Orchid	2.50
S107	Opalescent .....	.10	S147	This'le .....	.15
S108	Orange Delight	2.50	S148	Thoth .....	.10
S109	Orange Queen .....	.15	S149	1928 Laciniated Seed- ling	2.50
S110	Peep O Day .....	.15	S150	26-294 Laciniated Seed- ling	2.50
S111	Pendelton .....	.10	S151	2892 Laciniated Seed- ling	2.50
S112	Pfitzers Triumph	1.00	S152	Violet Glory .....	.25
S113	Pink Cloud .....	.15	S153	Violet Beauty .....	.25
S114	Pink Lily .....	.15	S154	Waneta .....	.15
S115	Pink Wonder .....	.10	S155	War .....	.10
S116	Pinkie .....	.10	S156	White Butterfly .....	.10
S117	Pola Negri .....	.25	S157	Yellow Treasure .....	.10
S118	Pollyana .....	.10			
S119	Prince of Wales .....	.10			
S120	Purple Glory .....	.25			
S121	Purple Spot .....	.25			

1929 SELF POLLINATED GLADIOLUS HYBRID SEED IN

MIXTURE

This self pollinated gladiolus hybrid seed mixture is made up of hand pollinated seed where the labels were lost or mixed up, self pollinated seed of practically all of our named varieties, of promising seedlings, and of many seedlings of other growers that we are growing for trial.

We have priced it so low that everybody can grow it, as we have said before, the more you plant of this seed, the better are the chances of getting outstanding specimens.

1 Packet of 1000 Seeds.....	\$.75
3 Packets of 1000 Seeds Each.....	2.00
6 Packets of 1000 Seeds Each.....	3.75

1929 SELF POLLINATED PRIMULINUS HYBRID SEED IN MIXTURE

The original species *G. primulinus* is of a pure primrose yellow color. The seed we are offering is from hybrids that have retained the hooded characteristic of the species and the colors are of all shades. These, as is well known, bloom earlier than the large flowering types and are very much more delicate in formation and coloring.

1 Packet of 1000 Seeds.....	\$.75
3 Packets of 1000 Seeds Each.....	2.00
6 Packets of 1000 Seeds Each.....	3.75

UNBLOOMED HAND POLLINATED SEEDLING BULBS OF 1928 CROSSES

In our 1926 catalog we offered a small quantity of unbloomed seedling bulbs for the first time. Since that time the demand for these unbloomed seedling bulbs has grown to such proportions that we have had to greatly increase our seed production so as to be able to take care of the seed sale and bulbs grown from this seed. This year we are able to offer a fine lot of plump bulbs of many of the crosses offered as seed last year.

We have been experimenting with paper mulches for a number of years and this past season practically all of our gladiolus seed was grown this way, and in spite of a rather dry growing season, we harvested one of the finest crops of seedling bulbs we have ever had. Good parent varieties, good seed obtained by crossing these parent varieties under absolute control, good healthy bulbs grown from this seed, that is the story of these unbloomed hand pollinated seedling bulbs. It would be simply preposterous to claim that each one of these seedling bulbs will produce a wonder-flower, we make no such extravagant statements. The names, the descriptions of the parent varieties indicate the possibilities contained in each bulb. We protect our patrons on these unbloomed hand pollinated seedling bulbs. We especially ask every purchaser of these unbloomed hand pollinated seedling bulbs to write and tell us, what results were obtained. We cannot do this on unbloomed self pollinated seedling bulbs, as we have no control on them whatsoever.

Stock is limited. Orders are filled in order of receipt. Money will be promptly returned when we cannot fill an order.

Please order by Number and Name and Size.

- 28C2 Aida (Pfizer) Dark Blue, Dark Red Blotch, on
Jacoba Van Beyren (H) Self Violet
3s, \$.75; 4s, \$.50; 5s, \$.25; 6s, \$.15
- 28C3 Aida, on
Violet Beauty (K) Tall Cerise Violet
3s, \$.75; 4s, \$.50; 5s, \$.25; 6s, \$.15
- 28C4 Aida, on
Rev. Ewbank (Velthuys) Light Blue
3s, \$.75; 4s, \$.50; 5s, \$.25; 6s, \$.15
- 28C5 Aida, on
Muriel (Pfizer) True Lilac
3s, \$.75; 4s, \$.50; 5s, \$.25; 6s, \$.15
- 28C6 Aida, on
The Orchid (Sprague) Lavender Pink, Laciniated
4s, \$1.00; 5s, \$.75; 6s, \$.50
- 28C7 Aida, on
Lacinatus (K) Rose Pink, Laciniated
4s, \$1.00; 5s, \$.75; 6s, \$.50
- 28C8 Aida, on
Anna Eberius (D) Deep Rhodamine Purple
4s, \$.50; 5s, \$.25; 6s, \$.15

- 28C9 **Aida**, on
 Glendale (Davis) Dark American Beauty Rose
 5s, \$.25; 6s, \$.15
- 28C10 **Arabia** (Hinkie) Dark Mahogany Red, on
 Charles Dickens (Pfizer) Bright Radiant Purple
 4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C17 **Ave Maria** (Pfizer) Light Blue, Purple Blotch, on
 Kunderds Apple Blossom, Apple Blossom, Ruffled
 4s, \$1.00; 5s, \$.75; 6s, \$.50
- 28C18 **Ave Maria**, on
 The Orchid (Sprague) Lavender Pink, Lacinated
 5s, \$1.25; 6s, \$1.00
- 28C19 **Badenia**, Large Blue (Still the Best of its Color), on
 Blue Lily (K) Light Violet Blue
 5s, \$.25; 6s, \$.15
- 28C20 **Badenia**, on
 Rev. Ewbank (Velthuys) Light Blue
 5s, \$.25; 6s, \$.15
- 28C21 **Badenia**, on
 Aida (Pfizer) Dark Blue, Dark Red Blotch
 5s, \$.50; 6s, \$.25
- 28C23 **Badenia**, on
 Minuet (C) Wonderful Lavender
 4s, \$1.00; 5s, \$.75; 6s, \$.50
- 28C24 **Badenia**, on
 The Orchid (Sprague) Lavender Pink, Lacinated
 5s, \$1.25; 6s, \$1.00
- 28C26 **Badenia**, on
 Baron J. Hulot (L) Dark Violet
 2s, \$1.00; 3s, \$.75; 4s, \$.50; 5s, \$.25; 6s, \$.15
- 28C27 **Badenia**, on
 Mona Lisa (K) Pale Soft Rose Pink, Ruffled
 2s, \$1.00; 3s, \$.75; 4s, \$.50; 5s, \$.25; 6s, \$.15
- 28C29 **Badenia**, on
 Heavenly Blue (Pfizer) Aniline Blue
 6s, \$1.50
- 28C31 **Badenia**, on
 Lacinated, Seedling, Light Pink, Lacinated
 5s, \$.50; 6s, \$.25
- 28C32 **Badenia**, on
 Veilchenblau (Pfizer) Violet Blue
 5s, \$.75; 6s, \$.50
- 28C33 **Blue Lily** (K) Light Violet Blue, on
 Rev. Ewbank (Velthuys) Light Blue
 4s, \$.25; 5s, \$.15; 6s, \$.10
- 28C34 **Blue Lily**, on
 Mr. Mark (Velthuys) Light Blue
 4s, \$.25; 5s, \$.15; 6s, \$.10
- 28C35 **Dainty** (K) White, Sulphur Throat, Lacinated, on
 Lacinated, Seedling, Light Pink, Lacinated
 2s, \$2.00; 3s, \$1.75; 4s, \$1.50; 5s, \$1.25; 6s, \$1.00
- 28C36 **Dainty**, on
 Sulphur Glow (K) Sulphur Yellow, Ruffled
 4s, \$1.00; 5s, \$.75; 6s, \$.50
- 28C37 **Deckle Edge**, Seedling, Waxy White, Carmine Stripe, on
 Golden Dream (Groff) Tall Deep Yellow
 3s, \$1.25; 4s, \$1.00; 5s, \$.75; 6s, \$.50
- 28C38 **Deckle Edge**, on
 Lacinatus (K) Rose Pink, Lacinated
 4s, \$2.00; 5s, \$1.75; 6s, \$1.50
- 28C39 **Drama** (Pfizer) Dark Violet Purple, on
 Onega (K) Deep Lavender Rose, Ruffled
 2s, \$.75; 3s, \$.50; 4s, \$.25; 5s, \$.15; 6s, \$.10



THE NEW DECKLE EDGE TYPE

This type of flower is our own origination. The edges of the petals are not fluted or ruffled as in the ruffled type, nor fringed or laciniated and hooded as in the laciniated type. Ours, is an open faced flower with the edges of the petals rough edged like the ragged edge of hand made paper—hence the name. We are **NOT** offering bulbs of this type as yet, but are offering seed to produce this type.

The flower shown here is from the cross
The Orchid (Sprague) Lavender Pink, Laciniated, on
Laciniated, Seedling, Light Pink, Laciniated.

The color is a lovely Geranium to La France pink with spectrum red penciling on the lower petals. It is a large flower of splendid substance on a straight, thin, wiry stem.

We did not obtain seed from this cross this year, but we did obtain seed of the cross
Laciniated, Seedling, Light Pink, Laciniated, on
The Orchid (Sprague) Lavender Pink, Laciniated,
which we are offering.

- 28C40 **Drama**, on
Glendale (Davis) Dark American Beauty Rose
3s, \$.50; 4s, \$.25; 5s, \$.15; 6s, \$.10
- 28C42 **Golden Dream** (Groff) Tall Deep Yellow, on
Gold Eagle (Austin) Early Yellow
4s, \$1.00; 5s, \$.75; 6s, \$.50
- 28C43 **Golden Dream**, on
Crinkles (K) Deep Peach Blossom Pink, Ruffled
5s, \$.75; 6s, \$.50
- 28C45 **Golden Frills** (K) Yellow Prim. Ruffled, on
Gloriana (Bet) Salmon, Yellow Throat
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C47 **Gold Eagle** (Austin) Early Yellow, on
Crinkles (K) Deep Peach Blossom Pink, Ruffled
2s, \$1.00; 3s, \$.75; 4s, \$.50; 5s, \$.25; 6s, \$.15
- 28C48 **Gold Eagle**, on
Masterpiece (K) American Beauty Rose, Ruffled
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C49 **Gold Eagle**, on
Gloriana (Bet) Salmon, Yellow Throat
5s, \$.50; 6s, \$.35
- 28C50 **Golden Swallow** (Austin) Clear Soft Yellow. Ruffled, on
Gloriana (Bet) Salmon, Yellow Throat
4s, \$.50; 5s, \$.25
- 28C51 **Golden Swallow**, on
Masterpiece (K) American Beauty Rose, Ruffled
4s, \$.50; 5s, \$.25; 6s, \$.15
- 28C52 **Gloriana** (Bet) Salmon, Yellow Throat, on
Golden Swallow (Austin) Clear Soft Yellow, Ruffled
3s, \$1.00; 4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C53 **Gloriana**, on
Golden Dream (Groff) Tall Deep Yellow
3s, \$1.25; 4s, \$1.00; 5s, \$.75; 6s, \$.50
- 28C54 **Gloriana**, on
Gold Eagle (Austin) Early Yellow
5s, \$.50; 6s, \$.35
- 28C55 **Harbinger** (Sanford) Burnt Orange, on
Orange Queen (Pfitzer) Copper Orange
4s, \$.50; 5s, \$.25; 6s, \$.15
- 28C56 **Harbinger**, on
Alice Tiplady (K) Orange Saffron
5s, \$.25; 6s, \$.15
- 28C57 **Harbinger**, on
Lacinated, Seedling, Light Pink, Lacinated
3s, \$1.00; 4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C58 **Heavenly Blue** (Pfitzer) Aniline Blue, on
Baron J. Hulot (L) Dark Violet
2s, \$1.25; 3s, \$1.00; 4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C59 **Heavenly Blue**, on
The Orchid (Sprague) Lavender Pink, Lacinated
2s, \$2.00; 3s, \$1.75; 4s, \$1.50; 5s, \$1.25; 6s, \$1.00
- 28C60 **Honeydew** (Decorah) Orange Yellow, Lacinated, on
Hermes (K) Deep Cherry Rose, Ruffled
2s, \$1.25; 3s, \$1.00; 4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C61 **Honeydew**, on
Golden Frills (K) Yellow Prim. Ruffled
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C62 **Honeydew**, on
Lacinated, Seedling, Light Pink, Lacinated
3s, \$1.25; 4s, \$1.00; 5s, \$.75; 6s, \$.50

- 28C63 **Honeydew**, on
The Orchid (Sprague) Lavender Pink, Laciniated
5s, \$1.50; 6s, \$1.25
- 28C64 **Honeydew**, on
Gloriana (Bet) Salmon, Yellow Throat
2s, \$1.00; 3s, \$.75; 4s, \$.50; 5s, \$.25; 6s, \$.15
- 28C65 **Honeydew**, on
Golden Dream (Groff) Tall Deep Yellow
4s, \$1.00; 5s, \$.75; 6s, \$.50
- 28C66 **Kasson** (K) Lavender Rose Pink, Ruffled, on
Laciniated, Seedling, Light Pink, Laciniated
2s, \$1.00; 3s, \$.75; 4s, \$.50; 5s, \$.25; 6s, \$.15
- 28C68 **Laciniated**, Seedling, Light Pink, Laciniated, on
Serrata (Bill) Cream Suffused Lilac Pink, Laciniated
3s, \$1.25; 4s, \$1.00; 5s, \$.75; 6s, \$.50
- 28C69 **Laciniated**, on
Baron J. Hulot (L) Dark Violet
3s, \$.50; 4s, \$.25; 5s, \$.15
- 28C70 **Laciniated**, on
Avalon (K) Blush White, Heavily Ruffled
3s, \$.75; 4s, \$.50; 5s, \$.25
- 28C71 **Laciniated**, on
Dainty (K) White, Sulphur Throat, Laciniated
5s, \$1.50; 6s, \$1.25
- 28C73 **Laciniated**, on
Mona Lisa (K) Pale Soft Rose Pink, Ruffled
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C76 **Laciniated**, on
Sulphur Glow (K) Sulphur Yellow, Heavily Ruffled
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C77 **Laciniated**, on
Heavenly Blue (Pfitzer) Aniline Blue
2s, \$2.00; 3s, \$1.75; 4s, \$1.50; 5s, \$1.25; 6s, \$1.00
- 28C78 **Laciniated**, on
Masterpiece (K) American Beauty Rose. Ruffled
3s, \$1.00; 4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C79 **Laciniated**, on
Drama (Pfitzer) Dark Violet Purple
3s, \$.75; 4s, \$.50; 5s, \$.25; 6s, \$.15
- 28C80 **Laciniated**, on
Rose Mist (Fischer) Large Light Red
3s, \$.50; 4s, \$.25; 5s, \$.15; 6s, \$.10
- 28C81 **Laciniated**, on
Purple Glory (K) Velvety Maroon Red, Ruffled
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C82 **Lacinatus** (K) Rose Pink, Laciniated, on
Baron J. Hulot (L) Dark Violet
2s, \$1.00; 3s, \$.75; 4s, \$.50; 5s, \$.25; 6s, \$.15
- 28C83 **Lacinatus**, on
Troubadour (Pfitzer) Deep Violet
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C84 **Lacinatus**, on
Rosalind (K) Dark Aniline Red, Ruffled
3s, \$1.00; 4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C85 **Lacinatus**, on
Avalon (K) Blush White, Heavily Ruffled
5s, \$.50; 6s, \$.25
- 28C86 **Lacinatus**, on
Ave Maria (Pfitzer) Light Blue, Purple Blotch
4s, \$1.00; 5s, \$.75; 6s, \$.50
- 28C87 **Lacinatus**, on
Lavender Beauty (K) Pink Lavender, Laciniated
5s, \$1.50; 6s, \$1.25

- 28C89 **Lacinatus**, on
Aida (Pfitzer) Dark Blue, Dark Red Blotch
5s, \$.75; 6s, \$.50
- 28C90 **Lacinatus**, on
E. J. Shaylor (K) Deep Rose, Ruffled
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C94 **Lavender Beauty** (K) Pink Lavender, Laciniated, on
Serrata (Bill) Cream Suffused Lilac Pink, Laciniated
5s, \$1.50; 6s, \$1.25
- 28C96 **Mrs. P. W. Sisson** (C) Large Pink, on
Golden Dream (Groff) Tall Deep Yellow
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C97 **Mrs. P. W. Sisson**, on
Gloriana (Bet) Salmon, Yellow Throat
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C98 **Konyenburg** (Pfitzer) Matchless Aniline Blue, on
Baron J. Hulot (L) Dark Violet
4s, \$.75; 5s, \$.50
- 28C99 **Konyenburg**, on
The Orchid (Sprague) Lavender Pink, Laciniated
2s, \$2.00; 3s, \$1.75; 4s, \$1.50; 5s, \$1.25; 6s, \$1.00
- 28C103 **Orange Delight** (K) Bright Orange, Laciniated, on
Serrata (Bill) Cream Suffused Lilac Pink, Laciniated
5s, \$1.50; 6s, \$1.25
- 28C104 **Orange Delight**, on
Golden Glory (K) Rich Yellow, Ruffled
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C105 **Orange Delight**, on
Honeydew (Decorah) Orange Yellow, Laciniated
3s, \$1.50; 4s, \$1.25; 5s, \$1.00; 6s, \$.75
- 28C106 **Orange Delight**, on
Golden Frills (K) Yellow Prim, Ruffled
5s, \$.75; 6s, \$.50
- 28C107 **Orange Delight**, on
Ruffled America (K) American Beauty Rose, Ruffled
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C108 **Orange Delight**, on
Golden Swallow (Austin) Clear Soft Yellow, Ruffled
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C109 **Orange Delight**, on
Sulphur Glow (K) Sulphur Yellow, Ruffled
3s, \$1.00; 4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C110 **Rev. Ewbank** (Velthuys) Light Blue, on
Blue Lily (K) Light Violet Blue
3s, \$.35; 4s, \$.25; 5s, \$.15; 6s, \$.10
- 28C111 **Rev. Ewbank**, on
Aida (Pfitzer) Dark Blue, Dark Red Blotch
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C112 **Rosalind** (K) Dark Aniline Red, Ruffled, on
Laciniated, Seedling, Light Pink, Laciniated
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C113 **Ruffled Beauty** (K) American Beauty Violet, on
Gold Eagle (Austin) Early Yellow
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C115 **Serrata** (Bill) Cream Suffused Lilac Pink, Laciniated, on
Golden Frills (K) Yellow Prim, Ruffled
4s, \$1.00; 5s, \$.75; 6s, \$.50
- 28C116 **Serrata**, on
Laciniated, Seedling, Light Pink, Laciniated
4s, \$1.50; 5s, \$1.25; 6s, \$1.00
- 28C117 **The Orchid** (Sprague) Lavender Pink, Laciniated, on
Drama (Pfitzer) Dark Violet Purple
4s, \$1.00; 5s, \$.75; 6s, \$.50

- 28C118 **The Orchid**, on
Honeydew (Decorah) Orange Yellow, Laciniated
3s, \$1.50; 4s, \$1.25; 5s, \$1.00; 6s, \$.75
- 28C119 **The Orchid**, on
Heavenly Blue (Pfizer) Aniline Blue
3s, \$1.75
- 28C122 **Veilchenblau** (Pfizer) Violet Blue, on
The Orchid (Sprague) Lavender Pink, Laciniated
4s, \$1.50
- 28C123 **Veilchenblau**, on
Heavenly Blue (Pfizer) Aniline Blue
5s, \$1.50; 6s, \$1.25
- 28C127 **Badenia**, Large Blue, on
Avalon (K) Blush White, Ruffled
4s, \$.75; 5s, \$.50; 6s, \$.25
- 28C131 **Aida** (Pfizer) Dark Blue, Dark Red Blotch, on
Blue Lily (K) Light Violet Blue
5s, \$.50; 6s, \$.25
- 28C133 **Golden Dream** (Groff) Tall Deep Yellow, on
Longfellow (Decorah) La France Pink
5s, \$.50; 6s, \$.25
- 28C134 **Deckle Edge**, Seedling, Waxy White, Carmine Stripe, on
Konyenburg (Pfizer) Matchless Aniline Blue
5s, \$1.50; 6s, \$1.25
- 28C143 **Heavenly Blue** (Pfizer) Aniline Blue, on
Sovereign (Vaughan) Violet Purple
5s, \$.75; 6s, \$.50
- 28C151 **Laciniated**, Seedling, Light Pink, Laciniated, on
Catherine Coleman (C) La France Pink
3s, \$.75; 4s, \$.50; 5s, \$.25; 6s, \$.15
- 28C158 **Lacinatus** (K) Rose Pink, Laciniated, on
Orange Delight (K) Bright Orange, Laciniated
5s, \$1.50; 6s, \$1.25
- 28C166 **Rev. Ewbank** (Velthuys) Light Blue, on
Mr. Mark (Velthuys) Light Blue
5s, \$.15; 6s, \$.10
- 28C174 **Sulphur Glow** (K) Sulphur Yellow, Ruffled, on
Laciniated, Seedling, Light Pink, Laciniated
4s, \$1.00; 5s, \$.75; 6s, \$.50
- 28C176 **Serrata** (Bill) Cream Suffused Lilac Pink, Laciniated, on
Dainty (K) White, Sulphur Yellow Throat, Laciniated
5s, \$1.50; 6s, \$1.25
- 28C177 **Serrata**, on
Hermes (K) Deep Cherry Rose, Ruffled
5s, \$.50; 6s, \$.25

UNBLOOMED 1929 SELF POLLINATED SEEDLING BULBS OF NAMED VARIETIES

These unbloomed seedling bulbs are from self pollinated seed of named varieties. The parent names provide a pedigree for any outstanding specimens. We are able to offer only 72 varieties in the form of bulbs out of 106 varieties offered as seed last year. Seed offers the only certainty of getting what you may want, we cannot grow bulbs from seed that is sold out. It cannot be bought in the open market and a whole year must elapse before we may be able to offer such seed again.

Stock is limited. Orders are filled in order of receipt. Money will be promptly returned when we cannot fill an order.

Please order by Number and Name and Size.

Prices on these bulbs, unless otherwise listed, are as follows:

No. 3s \$.25 each No. 4s \$.15 each No. 5s, \$.10 each No. 6s \$.05 each

Dozen at the ten rate.

SB1	A. B. Kunderd, 4-5-6	SB56	Lacinatus, 3s \$.75, 4s \$.50, 5s \$.25, 6s \$.15
SB2	Albania, 3-4-5-6	SB57	Lacinated, 3s \$.75, 4s \$.50, 5s \$.25, 6s \$.15
SB3	Alice Tiplady, 3-4-5-6	SB58	Le Marechal Foch, 5-6
SB6	Anna Eberius, 3-4-5-6	SB59	L 'Immaculee, 3-4-5-6
SB7	Atherton, 3-4-5-6	SB61	Los Angeles, 3-4-5-6
SB9	Avalon, 4-5-6	SB62	Magic, 4-5-6
SB10	Baron J. Hulot, 3-4-5-6	SB64	Maiden Blush, 4-5-6
SB11	Betty Bales, 3-4-5-6	SB65	Marshal Foch, 5-6
SB12	Blue Lily, 3-4-5-6	SB66	Masterpiece, 5-6
SB15	Break O Day, 3-4-5-6	SB67	Ming Toy, 3-4-5-6
SB17	Butterboy, 4-5-6	SB68	Mona Lisa, 6
SB19	Chateau Thierry, 3-4-5-6	SB69	Mrs. Frank Pendelton, 6
SB20	Charles Dickens, 4-5-6	SB70	Muriel, 3-4-5-6
SB21	Costa Rica, 3-4-5-6	SB71	Myra, 5-6
SB22	Crimson Glow, 4-5-6	SB73	Onega, 5-6
SB23	Crinkles, 5-6	SB74	Orange Delight, 4s \$.50, 5s \$.25, 6s \$.15
SB25	Dr. W. Van Fleet, 3-4-5-6	SB75	Opalescent, 5-6
SB27	E. B. Williamson, 3-4-5-6	SB79	Pink Cloud, 5-6
SB28	E. J. Shaylor, 3-4-5-6	SB80	Peep O Day, 5-6
SB29	Elizabeth Tabor, 4-5-6	SB83	Prince of Wales, 6
SB30	Elora, 4-5-6	SB84	Purple Glory, 5-6
SB31	Genesee, 3-4-5-6	SB86	Red Copper, 5-6
SB32	Giant Nymph, 5-6	SB88	1910 Rose, 3-4-5-6
SB33	Glendale, 4-5-6	SB89	Rose Ash, 3-4-5-6
SB37	Golden Swallow, 4-5-6	SB90	Rose Mist, 3-4-5-6
SB38	Golden Glory, 6	SB91	Rosalind, 4-5-6
SB39	Gretchen Zang, 4-5-6	SB94	Salmon Plume, 6
SB40	Halley, 3-4-5-6	SB95	Schwaben, 5-6
SB41	Harbinger, 5-6	SB96	Scarlet Glory, 6
SB44	Ida Van, 3-4-5-6	SB97	Sebesta, 5-6
SB45	Illuminator, 6	SB99	Sulphur Glow, 4-5-6
SB48	Jacoba Van Beyren, 3-4-5-6	SB101	Sweet Rose, 5-6
SB51	Joy, 5-6	SB102	Thoth, 4-5-6
SB52	June Delight, 4-5-6	SB103	Tempa, 4-5-6
SB53	Kasson, 4-5-6	SB104	Yellow Treasure, 3-4-5-6
SB55	Kunderds Apple Blossom. 4-5-6	SB106	White Butterfly, 3-4-5-6

UNBLOOMED 1929 SELF POLLINATED GLADIOLUS HYBRID SEEDLING BULBS IN MIXTURE

If you haven't ever grown the gladiolus from seed, then start with these unbloomed seedling bulbs, this mixture will give a pretty fair insight into one of the most fascinating and interesting phases of all flower growing. No two will be alike. These should be grown in quantity, the larger sized bulbs will give full sized flowers, the smaller sized bulbs will also bloom but the flowers will very likely not be full sized, but the color, markings and form will be apparent and you will know what you have.

No. 2 Bulbs	\$1.00 per dozen	12 dozen	\$10.00
No. 3 Bulbs .....	.75 per dozen	12 dozen	7.50
No. 4 Bulbs .....	.50 per dozen	12 dozen	5.00
No. 5 Bulbs .....	.25 per dozen	12 dozen	2.50
No. 6 Bulbs .....	.15 per dozen	12 dozen	1.50

For a long blooming period, we would suggest a mixture of the above different size bulbs at \$5.00 per 12 dozen.

UNBLOOMED 1929 SELF POLLINATED PRIMULINUS HYBRID SEEDLING BULBS IN MIXTURE

What was said about gladiolus hybrid seedling bulbs, is equally true of Primulinus hybrid seedling bulbs. All of the sizes listed here will bloom this coming season.

No. 4 Bulbs	\$.75 per dozen	12 dozen	\$7.50
No. 5 Bulbs .....	.50 per dozen	12 dozen	5.00
No. 6 Bulbs .....	.25 per dozen	12 dozen	2.50

For a long blooming period, we would suggest a mixture of the above different size bulbs at \$3.50 per 12 dozen.

GLADIOLUS BULBS

All bulbs are No. 1 size.

One dozen at the ten rate.

Cash with order. No orders accepted for less than \$1.00.

All orders delivered prepaid.

The American Gladiolus Society cultural instructions included with each order.

All bulbs are sound, disease free, up to size and true to name.

Quite a number of varieties listed here have no price mark. These we do not wish to sell as we want to use them for hybridization purposes.

Many of the crosses we are offering this year are the results of requests and orders we have received for such crosses. If you have any crosses in mind, that you think should give the results you desire, send us the names of the varieties you wish crossed and we will make the crosses both ways, if possible. There is positively no obligation or expense for this. If we get seed from such a cross, we will communicate with you, and you can then buy the seed or leave it alone, just as you wish. If we do not sell the seed, we will grow it. You may also order self pollinated seed of any named variety under these same conditions. All requests or orders for this, must be in and on file with us by April first to enable us to plant our stock accordingly.

Adair (K) Soft Canary Yellow, Laciniated	Each \$5.00
Adalina Patti (Keur) Royal Purple	
Aida (Pfitzer) Dark Blue, Dark Red Blotch	
Albania (Kemp) One of the Best Whites .....	.10
Alice Tiplady (K) Orange Saffron, Prim. ....	.10
Alton (K) Finest Orange, Ruffled .....	.15
American Beauty (D) American Beauty Rose, One Spike a Bouquet .....	.10
Amethyst (Aus) Lilac Rose	
Anna Eberius (D) Deep Rhodamine Purple, A Favorite .....	.10
Anthony B. Kunderd (K) Cream and Pink, Ruffled .....	.10
Aquila (K) Deep Cream, Laciniated	Each 3.00
Arabia (Hinkle) Dark Mahogany Red, Almost Black	
Atherton (K) Deep Salmon Rose, Ruffled .....	.10
Autumn Queen (Woodruff) Dark Cream .....	.10
Avalon (K) Blush White, Ruffled .....	.15
Ave Maria (Pfitzer) Light Blue, Purple Blotch	
Badenia, Large Blue (Still the best of its color)	
Balboa (Br) Apricot Pink .....	.25
Baron J. Hulot (Lemoine) Dark Violet .....	.10
Beau Brocade (Kelway) Deep Lilac Flaked Purple	
Bengal Tiger (Pratt) Looks Just Like Its Name .....	.10
Berty Snow (Mair) Soft Lilac Pink	
Betty Bales (Wright) Light Blue .....	.25
Bittersweet (Baldwin) True Bittersweet Orange	
Blue Isle (K) Lilac Blue .....	.25
Blue Lily (K) Light Violet Blue .....	.15
Blushing Beauty (K) Blush Pink, Ruffled .....	.15
Break O' Day (Bill) La France Pink .....	.10

Bridal Veil (Austin) Wonderful Creamy White, Heavily Ruffled	
Brooklands (Kelway) Rosy Scarlet	
Buckeye (K) Rose Pink, Ruffled	.15
Butterboy (K) Buttercup Yellow, Prim.	.10
Byron L. Smith (K) Lavender Pink	.10
Carmen Sylvia (Decorah) A Good White	.10
Carrick (Mair) Slaty Brown	
Capt. Boynton (Boynton) Brushed Bluish Lavender	.15
Catalina (Br) Rose Pink	.25
Catherine Coleman (Coleman) La France-pink overlaid Geranium-pink	.25
Cattleya (Pfitzer) Soft Rosy Lilac	
Century (Groff) Wonderful Lavender Pink	
Charles Berthier (Vil) Light Lilac, White Blotch	
Charles Dickens (Pfitzer) Bright Radiant Purple	.35
Chateau Thierry (Vos) Orange Cerise	.10
Cologne Gold (Hol) Pure Golden Yellow	
Comet (K) Deep Golden Yellow, Laciniated	.50
Copper Bronze (K) Striking Coppery Bronze	
Coronada (Briggs) Wonderful White, Purple Throat, Ruffled	
Costa Rica (D) Clear Orchid, Ruffled	.15
Crimson Glow (Betscher) Crimson	.10
Crinkles (K) Deep Peach Blossom Pink, Ruffled	.25
Dainty (K) White, Sulphur Yellow Throat, Laciniated	
Diana (Groff) Brilliant Rich Vermillion	.10
Dorothy Vernon (Decorah) Marguerite Yellow	.35
Dr. F. E. Bennett (D) Bright Scarlet	.15
Dr. Moody (Kinyon) Big Lavender	
Dr. Nelson Shook (K) Deep Tyrian Rose, Ruffled	
Dr. W. Van Fleet (K) Delicate Rose Pink, Ruffled	.10
Drama (Pfitzer) Dark Violet Purple	
Dream (K) Salmon Red, Ruffled	.15
Duchess of York (Dames) Purple Blue	.25
Early Sunrise (Velthuys) Salmon, Early	.25
E. B. Williamson (K) Mallow Purple, Prim.	.10
E. J. Shaylor (K) Deep Rose, Ruffled	.10
Eleonora Duse (L) White to Flesh, Crimson Blotch	
Elizabeth Tabor (Hinkle) An Early Pink, A Beauty	.10
Elora (Burbank) White Flushed Pink, Early	.10
Ensign (Errey) Large Scarlet, White Blotch	
Emile Aubrun (L) Slate Salmon	
Evelyn Kirtland (Austin) La France Pink, Very Pleasing	.10
Fairy Diamond (Alk) Clear Red	
Fiambriatus (K) Deep Cream, Laciniated	Each 1.50
Frau Gertrud Pfitzer (Pfitzer) Light China Blue	
Fringes (Lem) Old Rose, Laciniated	
Frielled Felicity (Kir) Shrimp Pink, Frilled	
Genesee (Davis) Large Yellow, Prim.	.10
Geraldine Farrar (D) Pale Lavender Violet	
Gettysburg (Decorah) Rich Velvety Carmine	.25
Giant Nymph (Coleman) Pink and Cream, Fine	.10
Glendale (Davis) Dark American Beauty Rose	.10
Gloriana (Bet) Salmon, Yellow Throat	.35
Glorious (K) Soft Cream, Ruffled	.20
Gold (Decorah) Naphthalene Yellow	.10
Gold Elsie (Fischer) Pure Bright Yellow	.15
Gold Eagle (Austin) Early Clear Yellow	
Golden Dream (Gr) Tall Deep Yellow	
Golden Frills (K) Yellow, Prim. Ruffled	
Golden Glory (K) Rich Yellow, Ruffled	.20
Golden Measure (Kelway) Straw Yellow	.10
Golden Snapdragon (K) Creamy White, A New Type, Intensely Ruffled	
Golden Swallow (Austin) Clear Soft Yellow, Ruffled	.10
Goliath (Velthuys) Deep Purple	.10

Halley (Velthuys) Salmon Pink .....	.05
Harbinger (Sanford) Burnt Orange	
Heavenly Blue (Pfizer) Aniline Blue	
Helen Howard (Austin) Golden Buff, Flushed Coral	
Henry Ford (D) Immense Purple .....	.10
Herada (Austin) Clear Mauve .....	.10
Hermes (K) Deep Cherry Rose, Ruffled .....	.25
Highland Laddie (K) Peach Blossom Pink .....	.25
Hinemoa (New Zea) Deep Pink Flaked Chocolate and Crimson	
Honeydew (Decorah) Orange Yellow, Prim. Lacinated .....	.30
Hyperian (K) Orange Scarlet, Lacinated	Each 1.50
Ida Van (K) Deep Salmon Red .....	.10
Illuminator (Hinkle) Carmine Red .....	.15
Impresario (K) Light Clear Lemon Yellow, Lacinated	Each 10.00
Interlude (K) Light Yellow, Lacinated	Each 1.00
J. A. Carbone (D) Orange Salmon, Striped .....	.20
Jack London (D) Light Salmon Vermillion Stripes .....	.10
Jacoba Van Beyren (Heemskerck) Violet Self Color .....	.15
James Dunlop (Mair) Orange Scarlet	
James Wm. Kelway (Kelway) Deep Self Crimson	
Jane Addams (Decorah) Soft Phlox Pink	
Jap Lady (Decorah) Bishop Purple, Extra Fine .....	.25
Jennie Lind (Decorah) Shrimp Pink, Ruffled, A Darling .....	.10
Jewell (Zeestraten) Light Salmon Pink, Prim. ....	.10
John T. Pirie (K) Mahogany Brown .....	.15
Joy (K) Purest Flesh tinted Canary, Ruffled .....	.15
J. S. Wallace (Groff) Delicate Lavender	
June Delight (K) Geranium Red, Ruffled .....	.15
Kasson (K) Large Lavender Rose Pink, Ruffled .....	.15
Kelways Masterpiece, Ruby Crimson	
King Pearl (Errey) White with Creamy Blotch	
King George V (Mair) Dark Crimson, White Blotch	1.50
Kirchoffs New Violet, Rich Violet	
Kirchoff's Violet, Rich Violet Purple	
Krimhilde (Pfizer) Large Lilac Pink	
Kunderd's Apple Blossom (K) Apple Blossom, Ruffled .....	.15
Kunderdii Glory (K) Creamy Apricot, Ruffled .....	.10
Lacinatus (K) Rose Pink, Lacinated .....	.15
La Comete (Hol) Blue, White Blotch	
Lady Van Horn (Groff) Large Lavender	
Langport Scarlet (Kelway) Self Scarlet	
Lavender Beauty (K) Pink Lavender, Lacinated .....	.75
Lilac Glory (K) Soft Lilac Rose Pink, Ruffled .....	.25
Lilac Wonder (Hol) Light Lavender	
Longfellow (Decorah) La France Pink .....	.35
Los Angeles (Houdeschell) Shrimp Pink, The Cut and Come Again	
Gladiolus .....	.10
Louise (Wright) Lavender .....	.15
L'Unique (Alk) Attractive Clean Red	
Mable (Mair) Milk White, Flaked with Lilac	
Mable Irving (Br) Rosy Salmon .....	.25
Maiden's Blush (Gruellmans) Flesh Pink, Prim. ....	.10
Magic (K) Lavender Blue, Fine .....	.10
Marie Kunderd (K) Delicate White, Early, Ruffled .....	.25
Marion Koch (Austin) Deep Pink, Needlepoint Type	
Marmora (Errey) Lavender Grey	
Marocco (Pfizer) Dark Almost Black	
Marshall Foch (K) Salmon Pink, Ruffled .....	.25
Mary Fennel (K) Light Lavender .....	.10
Mary Frey (Gelser) Lavender Pink, Ruby Blotch	
Mary Jane (K) Pink with Lavender Sheen	
Mary Pickford (K) Flower and Buds and Spike Delicate Creamy White .....	.10

Masterpiece (K) American Beauty Rose, Ruffled .....	.15
Ming Toy (K) Deep Buff, Yellow Throat, Prim. ....	.10
Minuet (Coleman) Wonderful Lavender, Early	
Mission Bells (Br) Orange Pink .....	.25
Mona Lisa (K) Pale Soft Rose Pink, Ruffled .....	.15
Mr. Mark (Velthuys) Light Blue .....	.10
Mr. W. H. Phipps (D) Rich Mellow Flesh Pink, Enormous Flowers	
Mrs. Dr. Hauff (Pfitzer) Bright Scarlet	
Mrs. Dr. Norton (K) Cream and Pink. One of the Most Beautiful .....	.10
Mrs. Frank Pendleton (K) Pink, Red Blotch. In Great Demand .....	.10
Mrs. F. C. Peters (Fischer) Rose Lilac .....	.10
Mrs. H. E. Bothin (D) Pink Scarlet Blotch .....	.10
Mrs. John R. Walsh (D) Flesh Pink, Ruffled .....	.25
Mrs. Kr. Prestgard (Decorah) Pure Snow White .....	.25
Mrs. Leon Douglas (D) Giant Begonia Rose .....	.15
Mrs. Newell Vanderbilt (D) Light Salmon Pink, Ruffled .....	.25
Mrs. P. W. Sisson (C) Large Pink .....	.25
Mrs. Van Konyenburg (Pfitzer) Matchless Aniline Blue .....	.75
Muriel (Pfitzer) True Lilac .....	.10
Nixie (D) Jasper Pink	
Norma Talmadge (Decorah) Clear Sulphur Yellow, Ruffled .....	.50
Omega (K) Deep Lavender Rose, Ruffled .....	.20
Opalescent (Bill) Pale Rose Lavender .....	.10
Orange Delight (K) Bright Orange, Lacinated	Each 3.00
Orange Queen (Pfitzer) Copper Orange, Prim. ....	.20
Orchid Lady (Spencer) Clear Orchid Lavender	
Paul Pfitzer (Pfitzer) Brilliant Velvety Purple	
Peep O' Day (K) Blushed Pink on White, Ruffled .....	.25
Pfitzer's Triumph, Giant Scarlet	
Pfitzers Yellow Wonder, Fine Big Pure Yellow	
Pink Cloud (K) Soft Rose Pink, Ruffled .....	.25
Pink Fringe (Lem) Daybreak Pink, Lacinated	
Pink Lily (K) Rose Pink, Ruffled .....	.15
Pinkie (Davis) Soft Pink .....	.10
Pink Ruffles (Miller) Deep Pink, Ruffled	
Pink Wonder (Kemp) La France Pink, Large Flowers .....	.10
Pola Negri (D) Apricot, Ruffled. Lovely .....	.25
Purple Spot (K) Large Violet Red .....	.15
Purple Glory (K) Velvety Maroon Red, Ruffled. A Winner .....	.15
Pyrean (K) Soft Canary Yellow, Lacinated	Each 1.00
Queen of the Night (D) Deep Maroon .....	.25
Rags (Davis) Light Yellow, Spidery-like Petals	
Red Copper (K) Deep Salmon Rose Flaked Blue .....	.10
Rev. Ewbank (Velthuys) Light Blue. Fine .....	.10
Richard Diener (D) Pale Geranium Pink. One of the Very Best .....	.15
Rita Beck (Fischer) Light Pink	
Roi Albert (L) Coppery Salmon and Crushed Strawberry	
Rosalind (K) Dark Aniline Red, Ruffled .....	.25
Rose 1910 (K) Rose Pink. Very Early .....	.10
Rose Ash (D) Ashes of Roses .....	.10
Rose Fringe (Miller) Rose Pink, Ruffled and Fringed	
Rose Glory (K) Rose Pink, Ruffled .....	.15
Rose Mist (Fischer) Light Red .....	.25
Rozan (Austin) Large Rose Tinted Pink	
Ruffled America (K) American Beauty Rose, Ruffled .....	.10
Ruffled Beauty (K) American Beauty Violet, Ruffled .....	.25
Ruffolace (Kemp) White, Ruffled and Lacinated	
Ruth Huntington (K) Violet Lilac, Ruffled .....	.25
Salmon Plume (K) Clear Salmon Flesh, Ruffled .....	.25
Santa Maria (Br) Scarlet Prim. ....	.25
Scarlet Glory (K) Rich Red, Distinct Shade, Ruffled .....	.25
Scarlet Princeps (K) Intense Scarlet .....	.10

Schwaben (Pfitzer) Sulphur Yellow .....	.10
Sebesta (K) Creamy White, Very Early .....	.05
Serrata (Bill) Cream Suffused Lilac Pink, Lacinated .....	.50
Snow Glory (K) White, Purple Throat, Ruffled .....	.75
Sovereign (Vaughan) Violet Purple .....	.35
Sulphur Glow (K) Sulphur Yellow, Ruffled .....	.25
Sweet Lavender (Coleman) Lavender, Early .....	.10
Sweet Rose (K) Purest Deep Rose Pink .....	.25
Tempa (K) Old Rose, Ruffled .....	.20
The Orchid (Sprague) Lavender Pink, Lacinated .....	.75
Thistle (K) Rose Red, Large, Ruffled .....	.20
Tobersun (Austin) Large Pure Yellow, Needlepoint Type	
Troubadour (Pfitzer) Deep Violet	
Trudle Grotz (Pfitzer) Large Salmon Pink	
Tycko Zang (Austin) Salmon Pink	
Veilchenblau (Pfitzer) Blue, Fine.	
Victor (Errey) Brilliant Scarlet, White Blotch	
Violet Beauty (K) Tall Cerise Violet .....	.15
Violet Glory (K) Deep Self Violet	
Waneta (K) Rose Pink, Delicately Colored .....	.15
White Butterfly (K) All White Prim. Dainty .....	.10
White Lace (Kir) Beautiful White, Frilled	
Willis E. Fryer (K) Tall Purple .....	.10
Yellow Treasure (Austin) Rich Clear Yellow .....	.10

SURPLUS STOCK

Hybridization of the gladiolus, seed production, propagation of seedlings is our main business. We do not grow gladiolus bulbs for the wholesale market at all. The natural reproduction of bulbs each year makes our stock of many varieties larger than we can use. Such varieties only, we offer each year at less than wholesale rates, this stock is limited and we will sell only 25 bulbs of a variety to a customer. On these bulbs we do not prepay delivery charges, if an order of other things, amounting to \$1.00, is included with an order for these surplus bulbs, we will prepay delivery charges. The sizes are 3s to 1s. All bulbs are sound, disease free, up to size and true to name. Money will be promptly returned when we cannot fill an order.

Bulbs

25 A. B. Kunderd	\$.60
25 Albania .....	.40
25 Alice Tiplady .....	.40
25 American Beauty .....	.75
25 Anna Eberius .....	.60
25 Autumn Queen .....	.40
25 Avalon	1.00
25 B. L. Smith .....	.60
25 Blue Lily .....	.75
25 Bengal Tiger .....	.60
25 Butterboy .....	.40
25 Buckeye	1.00
25 Costa Rica .....	.75
25 Diana .....	.40
25 Dream	1.00
25 Dr. Bennett .....	.60
25 Dr. Van Fleet .....	.60
25 E. B. Williamson .....	.40
25 Elora .....	.40
25 Evelyn Kirtland .....	.40
25 E. J. Shaylor .....	.40
25 Genesee .....	.75
25 Giant Nymph .....	.75

Bulbs

25 Glendale .....	.75
25 Golden Measure .....	.60
25 Golden Swallow .....	.75
25 Ida Van .....	.40
25 Jack London .....	.40
25 Jewell .....	.40
25 Jacoba Van Beyren .....	.75
25 Kasson	1.00
25 Los Angeles .....	.40
25 Maidens Blush .....	.40
25 Mary Fennel .....	.40
25 Mary Pickford .....	.40
25 Mr. Mark .....	.75
25 Mrs. F. Pendelton .....	.60
25 Mrs. F. King .....	.40
25 Mrs. F. C. Peters .....	.40
25 Muriel .....	.75
25 Opalescent .....	.60
25 1910 Rose .....	.40
25 Peep O Day	1.00
25 Pink Lily	1.00
25 Pink Wonder .....	.40

Bulbs

25	Pinkie .....	.40
25	Purple Spot	1.00
25	Rev. Ewbank .....	.75
25	Richard Diener .....	.75

Bulbs

25	Rose Ash .....	.60
25	Salmon Plume	1.00
25	Scarlet Princeps .....	.75
25	White Butterfly .....	.40

MIXTURES

Large flowering types of gladiolus, in all colors, no better value to be had anywhere, in lots of 100 bulbs only \$2.00 prepaid

G. Primulinus, in all colors. The flowers are somewhat smaller and hooded, but they have a charm, softness of color and a wiry grace that is lacking in the larger types. In lots of 100 bulbs only \$1.50 prepaid

MONTBRETIAS

These are very pretty bright-colored summer-flowering bulbous plants, the flowers bloom out to the tips just like the gladiolus, they are gay and very attractive in the garden in late summer and fall and are invaluable for cutting, thin wiry graceful spikes 8 to 18 inches long, each bearing 18 to 30 showy star shaped flowers. Very artistic and beautiful. Handle like the gladiolus.

10 cents each; \$1.00 per dozen; \$7.50 per hundred prepaid.

HYACINTHUS CANDICANS

The summer-flowering Hyacinth, a luxuriant-growing bulbous plant that looks like a Pandanus spreading 2 to 3 feet before the flower spike appears, this is 3 to 5 feet high bearing 20 to 30 waxy white bell shaped flowers. If planted in the center of a bed of gladiolus or other flowers, the effect is magnificent. Handle like the gladiolus.

15 cents each; \$1.50 per dozen; \$12.00 per hundred prepaid.

TIGRIDIA

Tiger or Shell Flower. Extremely striking and handsome summer-flowering bulbs, growing about 1 to 2 feet high, producing large, gorgeous flowers in shades of yellow, orange and red, exquisitely spotted in the center, flowering very freely throughout the summer. Handle like the gladiolus.

15 cents each; \$1.50 per dozen; \$12.00 per hundred prepaid.

ARTHUR C. KOERNER

Gladiolus Seed and Bulb Grower

FIVE OAKS FARM, NEWPORT, MINNESOTA

ORDER BLANK

Please use this order sheet as it will aid in filling your order more promptly and help avoid mistakes.

ARTHUR C. KOERNER

Gladiolus Seed and Bulb Grower

FIVE OAKS FARM, NEWPORT, MINNESOTA

Date of Order.....193.....

Please forward to _____ Amount inclosed \$_____

Name..... R. F. D. No.

Street..... P. O. Box

Post Office State.....

Date Delivery Wanted.....

Amount forwarded to other side

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Remarks

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ORDER BLANK

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Remarks

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AMERICAN GLADIOLUS SOCIETY

We wish to urge everyone who is interested in this marvelous flower, to do just one thing, and that is, to join the American Gladiolus Society. This is the fastest growing flower society, devoted to one flower, in the world. It is a big, alive organization. It publishes a splendid monthly magazine, "The Gladiolus Review."

Membership in this big society keeps you in direct contact with thousands of other gladiolus lovers like yourself, the magazine is devoted to the gladiolus exclusively and after reading it a year you will know what's what in gladiolus varieties and who's who in the gladiolus world. Practically all of the reliable gladiolus growers here and abroad advertise in the magazine and will be glad to send you their lists.

We know you will enjoy being a member and you will like the magazine and as an inducement to make you join right now, not next week or next month, but today, we will give you, up to April first, your choice of \$1.00 worth of anything in this catalog you may want if you will cut out this coupon, mail the application and \$2.00 to

ROSCOE HUFF, Secretary
American Gladiolus Society
Goshen, Indiana

This is for bonafide new members only. No renewals or transfers.

I hereby apply for membership in the American Gladiolus Society, and inclose \$2.00 as annual membership dues. \$1.00 of which is for a year's subscription to The Gladiolus Review.

Mail this application and \$2.00 to
ROSCOE HUFF, Secretary
American Gladiolus Society
Goshen, Indiana

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Amateur or Professional. Recommended by Arthur C. Koerner

Kindly mail the lower, good for \$1.00, coupon to us with the order for whatever you may want from this catalog. Do this at the same time you are sending in your membership.

ARTHUR C. KOERNER, Five Oaks Farm, Newport, Minn.

Dear Sir:

I have today sent in my application for membership in the American Gladiolus Society, with \$2.00 for annual membership dues and magazine.

I am a bonafide new member.

Name

Street

P. O. State



ARTHUR C. KOERNER

Gladiolus Seed and Bulb Grower

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